

Atty Dkt: IDF 1763
(4000-06600)

Patent

Listings of claims:

1. (Previously Presented) A method for initializing a customer premises telecommunications hub having a link to a central office comprising:

 obtaining a configuration file name and a domain name of a TFTP file server from a DHCP server in a central office,

 obtaining a configuration file, including a first control software file name, from the TFTP file server, and

 creating a second control software file name by combining a model ID identifying the model of the hub with at least part of the first control software file name.
2. (Previously Presented) A method according to Claim 1, wherein:

 said first control software file name includes a prefix identifying a model number, and said step of creating a second control software file name comprises replacing the prefix of said first control software file name with a prefix comprising the model number of said hub.
3. (Previously Presented) A method according to Claim 1, further comprising:

 obtaining a control software file having the second control software file name from the TFTP file server.
4. (Previously Presented) A method according to claim 3, further comprising:

 comparing the name of said control software file to said second control software file name.

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5. (Previously Presented) A method according to claim 4, further comprising:
loading said control software file into a first flash memory partition in said hub and
designating said first partition as the active partition.
6. (Previously Presented) A method according to Claim 5 further comprising:
rebooting said hub with said control software file in said first flash memory
partition.
7. (Previously Presented) A method according to Claim 6 wherein:
said control software file is stored in compressed form in said first flash memory
partition, and on rebooting, said file is expanded and loaded into RAM for operating said
hub.
8. (Previously Presented) A method according to Claim 1, further comprising:
checking said first control software file name for the presence of a suffix identifying
it as a binary file name, and, if such suffix is not present, adding a suffix identifying said
first control software file name as a binary file name.
9. (Original) A method according to Claim 1, further comprising:
obtaining an IP address of a domain name server from said DHCP server in said
central office, and
obtaining an IP address of said TFTP server from said domain name server.

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10. (Previously Presented) A method for providing control software code to a customer premises telecommunications hub having a link to a central office comprising:

- upon rebooting of the hub, sending a DHCP request to a central office DHCP server;
- sending a configuration file name and a domain name of a TFTP server from the central office DHCP server to the hub;
- sending a request for the configuration file from the hub to the TFTP server,
- sending the configuration file, including a first control software file name, from the TFTP server to the hub, and
- creating a second control software file name by combining a model ID identifying the model of the hub with at least part of the first control software file name.

11. (Previously Presented) The method of Claim 10 wherein:

- said first control software file name includes a prefix identifying a model number,
- and said step of creating a second control software file name comprises replacing the prefix of said first control software file name with a prefix comprising the model number of said hub.

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12. (Previously Presented) The method of Claim 10, further comprising:
 sending a request for the control software file having said second control software file name from the hub to a configuration file server, and
 sending the control software file having said second control software file name from the configuration file server to the hub.
13. (Previously Presented) The method of Claim 12 further comprising:
 comparing the name of said control software file to said second control software file name.
14. (Previously Presented) The method according to claim 13, further comprising:
 loading said control software file into a first flash memory partition in said hub and designating said first partition as the active partition.
15. (Previously Presented) The method according to claim 14, further comprising:
 rebooting said hub with said control software file in said first flash memory partition.
16. (Previously Presented) The method according to Claim 15 wherein:
 said control software file is stored in compressed form in said first flash memory partition, and on rebooting, said file is expanded and loaded into RAM for operating said hub.

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17. (Previously Presented) The method according to Claim 16, further comprising:
checking said first control software file name for the presence of a suffix identifying it as a binary file name, and, if such suffix is not present, adding a suffix identifying said first control software file name as a binary file name.
18. (Previously Presented) The method according to Claim 10, further comprising:
obtaining an IP address of a domain name server from said DHCP server in said central office, and
obtaining an IP address of said TFTP server from said domain name server.